Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1   1.   (Previously Presented)   A method for sizing the hardware resources for a

2   yet-to-be built database management system, the method comprising the steps of:

3   providing one or more desired hardware utilization limits for the yet-to-be built database

4   management system;

5   obtaining one or more throughput workload requirements for the yet-to-be built database

6   management system; and

7   determining the hardware resources needed for the yet-to-be built database management

8   system to satisfy the one or more throughput workload requirements while remaining within the

9   desired hardware utilization limits.

1   2.   (Previously Presented)   A method as recited in claim 1, the method further

2   comprising the steps of:

3   accepting user entered changes to the desired hardware utilization limits;

4   re-determining the hardware resources needed to remain within said desired hardware

5   utilization limits; and

6   outputting the determined hardware resources to the human user in a format to advise the

7   human user.

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1   3.   (Previously Presented)   A method as recited in claim 1, the method further

2   comprising the steps of:

3   obtaining selected database requirements including an expected database size; and

4   determining the hardware resources needed for the yet-to-be built database management

5   system to satisfy the selected database requirements while remaining within the desired hardware

6   utilization limits.

1   4.   (Canceled)

1   5.   (Previously Presented)   A method as recited in claim 2, wherein the one or

2   more throughput workload requirements includes a transactions per second requirement.

1   6.   (Previously Presented)   A method as recited in claim 5, wherein the

2   determining and re-determining steps include determining the hardware resources needed as a

3   function of the transactions per second requirement.

1   7.   (Previously Presented)   A method as recited in claim 2, wherein said

2   hardware resources include a number of processors.

1   8.   (Previously Presented)   A method as recited in claim 7, wherein said

2   determining and re-determining steps include determining said number of processors as a

3   function of the transactions per second requirement.

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1   9.   (Previously Presented)   A method as recited in claim 7, wherein the desired

2   hardware utilization limits include a desired percent processor utilization and said accepting step

3   includes accepting changes to said desired percent processor utilization and said determining and

4   re-determining steps includes determining said hardware resources such that said desired percent

5   processor utilization limits is maintained and includes changing said number of processors

6   required when necessary to remain within said desired processor utilization limits.

1   10.   (Previously Presented)   A method as recited in claim 9, wherein said desired

2   percent processor utilization limit include upper an utilization limit to prevent over utilization of

3   said processors and said determining and re-determining steps include determining said number

4   of processors needed to keep below said upper limit to prevent over utilization of said

5   processors.

1   11.   (Previously Presented)   A method as recited in claim 10, wherein said

2   desired percent processor utilization limit includes a lower utilization limit to prevent under

3   utilization of said processors.

1   12.   (Previously Presented)   A method as recited in claim 11, wherein said

2   determining and re-determining steps include determining said number of processors needed to

3   remain above said lower limit to prevent under utilization of said processors.

1   13.   (Previously Presented)   A method as recited in claim 10, wherein said

2   desired hardware utilization limits include a desired network interface card utilization limit and

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3 said determining and re-determining steps include determining said hardware requirements

4 within said desired network interface card utilization limits and includes changing said number

5 of network interface cards required when necessary to remain within said network interface card

6 utilization limits.

1   14.   (Previously Presented) A method as recited in claim 13, wherein said network

2 interface card utilization limit includes a lower utilization limits to prevent under utilization of

3 said network interface cards and said determining and re-determining steps include determining

4 said number of network interface cards needed to remain above said lower limit to prevent under

5 utilization of said network interface cards.

1   15.   (Previously Presented)   A method as recited in claim 14, wherein said

2 network interface card utilization limit includes an upper utilization limit to prevent over

3 utilization of said network interface cards and said determining and re-determining steps include

4 determining said number of network interface cards needed to remain below said upper limit to

5 prevent over utilization of said network interface cards.

1   16.   (Previously Presented)   A computerized method for calculating hardware

2 resource requirements for a yet-to-be built database management system computer comprising

3 the steps of:

4   establishing default values for selected hardware utilization limits;

5   initializing said selected hardware utilization limits to said default values;

5

6   obtaining a workload requirement from said human user; and

7   determining said hardware resource requirements as a function of said workload

8   requirement while remaining within said selected hardware utilization limits.

1   17.   (Previously Presented)   A computerized method as recited in claim 16, the

2   method further comprising the steps of:

3   obtaining new hardware utilization limits from said human user;

4   re-determining said hardware resource requirements while remaining within said

5   hardware utilization limits; and

6   displaying the determined hardware resource requirements in a format to advise the user

7   of the hardware resource requirements for a yet-to-be built database management system

8   computer to meet the user entered workload requirement.

1   18.   (Previously Presented)   A computerized as recited in claim 17, wherein said

2   hardware resource requirements include a specified discrete numbers of hardware components.

1   19.   (Previously Presented)   A computerized method as recited in claim 18,

2   wherein and said determining and re-determining steps include determining said specified

3   number of hardware components.

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1   20.   (Previously Presented)   Computer executable code stored on machine

2   readable media for sizing the hardware resources for a yet-to-be built database management

3   system, the computer executable code performing the steps of:

4   providing one or more desired hardware utilization limits for the yet-to-be built database

5   management system;

6   obtaining one or more throughput workload requirements for the yet-to-be built database

7   management system; and

8   determining the hardware resources needed for the yet-to-be built database management

9   system to satisfy the one or more throughput workload requirements while remaining within the

10   desired hardware utilization limits.